

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
2 August 2001 (02.08.2001)

PCT

(10) International Publication Number
WO 01/56168 A1

(51) International Patent Classification⁷: H03M 7/30, 7/48

(74) Agent: BUTTRICK, Richard; BTG International Limited, 10 Fleet Place, Limeburner Lane, London EC4M 7SB (GB).

(21) International Application Number: PCT/GB01/00230

(22) International Filing Date: 22 January 2001 (22.01.2001)

(25) Filing Language: English

(26) Publication Language: English

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(30) Priority Data:
0001707.9 25 January 2000 (25.01.2000) GB

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): BTG INTERNATIONAL LIMITED [GB/GB]; 10 Fleet Place, Limeburner Lane, London EC4M 7SB (GB).

(72) Inventors; and

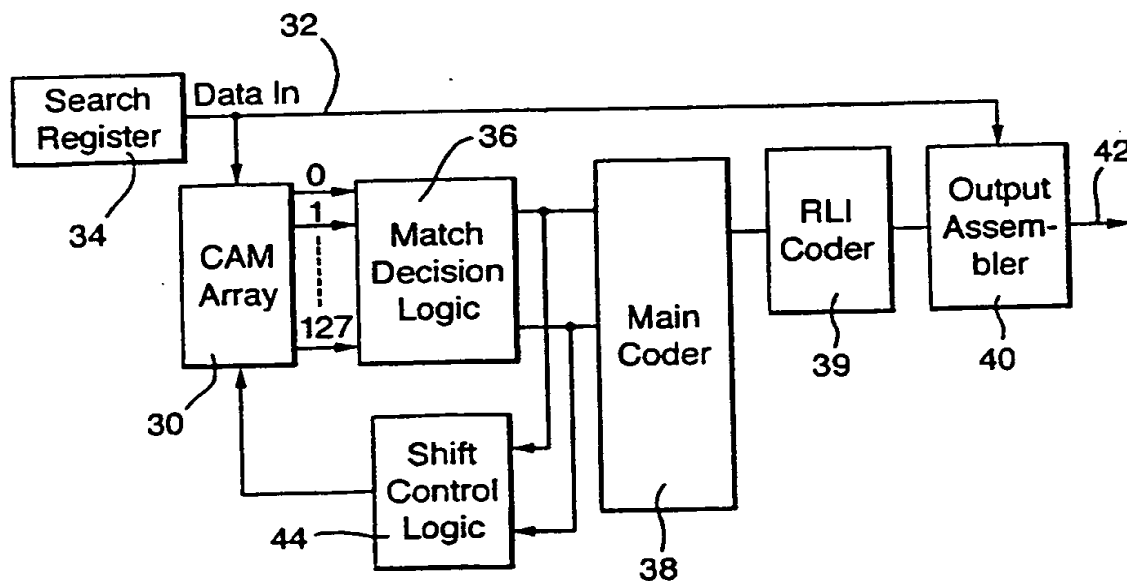
(75) Inventors/Applicants (*for US only*): JONES, Simon, Richard [GB/GB]; 19 Pantain Road, Loughborough, Leicestershire LE11 3LZ (GB). NUNEZ YANEZ, Jose Luis [ES/GB]; 17 Roundhill Way, Loughborough, Leicestershire LE11 4WB (GB).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DATA COMPRESSION HAVING MORE EFFECTIVE COMPRESSION



(57) Abstract: A lossless data compression system comprises a content addressable memory dictionary (30), a coder (38), and a run length encoding means (39) connected to receive the output of the coder (38), the encoding means (39) being arranged to count the number of times a match consecutively occurs at a predetermined dictionary location, i.e. the number of times the same search tuple is loaded into the same address (50) of the dictionary. Compression is improved.

WO 01/56168 A1